Kestrel Series
Kestrel Tension Series

Electric Floor Rising Projection Screen

USER'S GUIDE

Kestrel Accessories

Qty 1
5-12V Trigger

Qty 1
IR "eye" Receiver

Qty 1
Radio Frequency
Remote Control

Qty 1
Infrared
Remote Control

Qty 1
Low Voltage 3-way
Wall Switch

Qty 2
AAA batteries
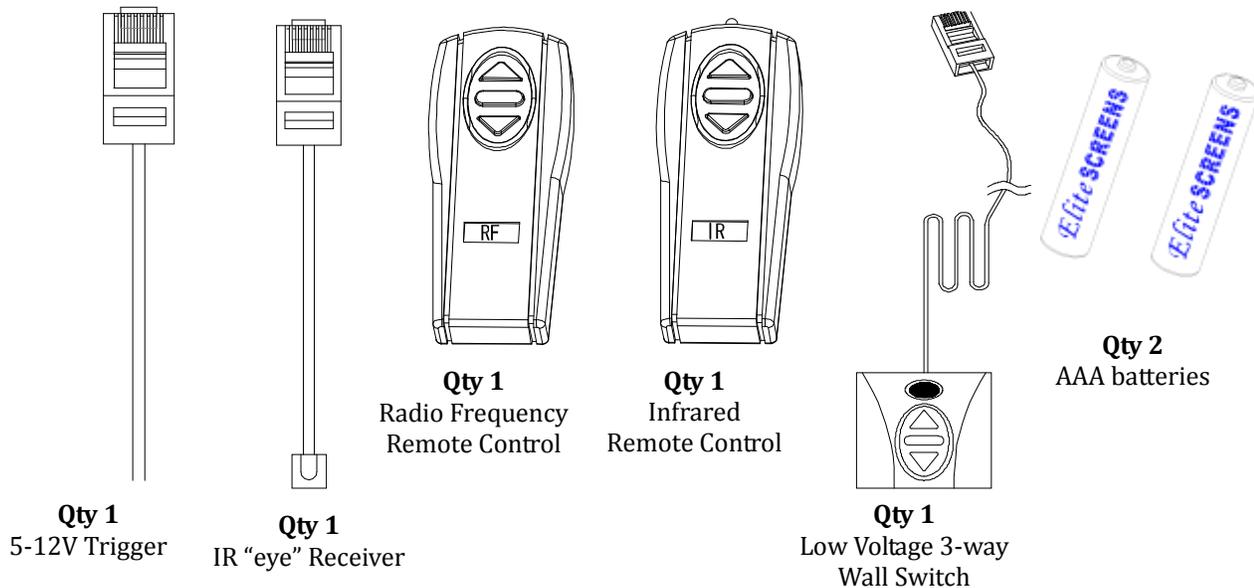
IMPORTANT SAFETY NOTES

1. Please read this manual before use and follow the procedures specified:
    a. Please retain this manual for future reference.
    b. To avoid any damages to the screen, do not use any accessories or parts not recommended by Elite Screens.
    c. Handle the device carefully during transportation.
    d. Do not set up screen on uneven surfaces.
    e. To prevent electrical shock or fire; never overload the power cord, and avoid contacting the motorized components with liquids or foreign objects.
2. **The tubular motor equipped in the electric screen series Home 2, CineTension2, VMAX Plus3/4, Kestrel and Raptor models feature an overheat protection sensor. If the screen is consecutively brought up and down between 3-4 minutes, the motor will automatically shut-off to prevent the motor from sustaining damage through overheating. If the automatic shutoff is activated, please allow 30 minutes cool down before resuming operation.**
3. **The Kestrel Series Screen is equipped with a strong tension cross-spring system. Please do not attempt any unnecessary repairs. It is at your own risk to open the inside cover or dismantle/work on the screen. Individual modifications to this product are prohibited and will void the user's warranty.**
4. When using the screen, please
    a. Avoid strong wind, rain, or electrical storms.
    b. No direct sunshine (UV Radiation) or moisture.
    c. Keep away from fire sources and high temperature devices.
    d. Turn off the power before moving this product.

Keep away from children
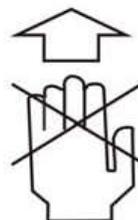
Keep hands clear from the closing panels

NOTE:

- This equipment has been tested and found to comply with the limits for a **Class B** digital device pursuant to Part 15 of the FCC Guidelines.

- The products are designed to provide reasonable protection against harmful interference in a residential/commercial installation and end user application and may radiate radio frequency energy.

- However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

  1. The power outlet should be close to the unit and easily accessible.
  2. Re-orient or relocate the receiving antenna.
  3. Increase the separation between the equipment and the receiver.
  4. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  5. Consult the dealer or an experienced radio/TV technician for additional help.

SCREEN OPERATION

Setup: Remove the controls and wiring from the compartment on the left side of the **Kestrel** Floor Electric Screen as shown in the pictures below.

Connect the screen to the power supply and switch the power button on. Now it is ready for use.

Power:

ON   OFF

About the Control System:

1. 5-12V Trigger Input: The built-in 5-12V trigger input for your new Elite **Kestrel** allows your screen to synchronize its rise and drop with the projectors power cycle. The screen rises when the projector powers up and retracts when the projector powers down.

2. IR (Infrared) and RF (Radio Frequency): The Kestrel Series screen includes both IR and RF receivers that enable the consumer to use either the IR remote control with direct line of sight through the screen's IR receiver window. The RF remote is best used when the screen is concealed or long distance control is required. The RF technology therefore **does not** require line of sight directly to the screen's IR receiver window.

IR receiver window

Controlling the Kestrel Series with the 5-12V trigger, Extended IR "eye" receiver or 3-way wall box switch:

1. **5-12V Trigger:** Connect the 5-12 volt trigger cable to your projector's trigger output via a separate cable that may or may not be provided by the projector manufacture. The trigger feature will not work without an output cable from the projector, but it can be tested using a 9-volt battery by simply connecting the Red (+) and Green (-) cable to the 9-volt battery

2. **IR "Eye" Receiver:** The IR "eye" receiver cable provides an extension of the IR sensor should the IR receiver window on the Kestrel's screen is concealed.

3. **3-way wall switch box:** The 3-way wall switch box allows manual control to operate the screen's **UP/STOP/DOWN** commands.

The RJ-45 input jack is located on the left side compartment which accepts the 5-12V trigger, extended IR "eye" receiver or the 3-way wall switch box.

Storing the screen: Always store the screen flat horizontally. Never store the screen in a vertical position.
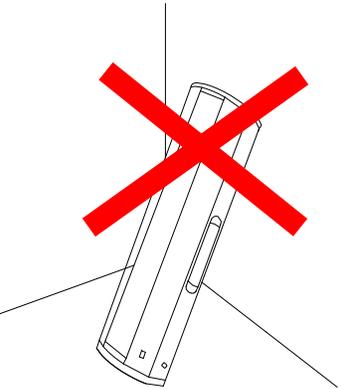
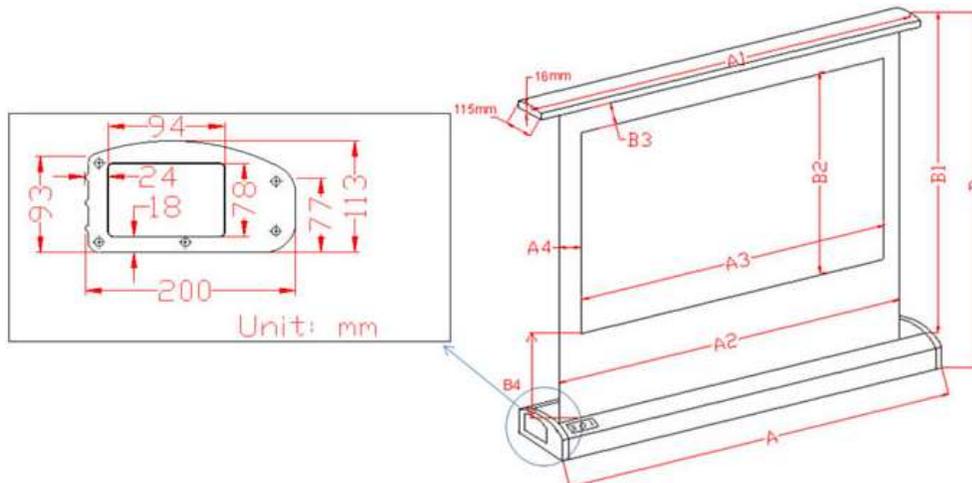<u>**Screen Maintenance**</u>

1. Always close the screen when not in use
2. Do not touch the screen surface
3. Keep away from direct sun and high/low temperatures
4. For indoor use only
5. Clean with soft water
6. Do not drop/close screen consecutively for more than 3 minutes. This is to avoid overload protection shut-off. If automatic shut-off occurs, please wait for 20-30 minutes to try again.

Kestrel Series Dimensions Table

Unit: mm												
Model	Diagonal Size/Aspect Ratio	Case Length (A)	Top Panel Length (A1)	Screen Width (A2)	View Width (A3)	L/R Black Masking Border (A4)	Top Black Masking Border (B3)	Top Panel to Case (B1)	View Height (B2)	Screen Overall Height (B)	Bottom Black Border (B4)	N.W. (KGS)
FE72V	72" (4:3)	1666.0	1634.0	1564.0	1463.0	50	76	1951.5	1097.3	2061.5	762.0	21.8
FE84V	84" (4:3)	1910.0	1878.0	1807.9	1706.9	50	76	2007.4	1280.2	2117.4	635.0	23.6
FE92V	92" (4:3)	2165.0	2133.0	1970.4	1869.4	50	76	2002.3	1402.1	2112.3	508.0	24.7
FE100V	100" (4:3)	2255.0	2223.0	2133.0	2032.0	50	76	2225.8	1524.0	2335.8	609.6	27.8
FE72H	72" (16:9)	1798.0	1766.0	1695.0	1594.0	50	76	1852.5	896.7	1962.5	863.6	21.7
FE84H	84" (16:9)	2064.0	2032.0	1960.6	1859.6	50	76	1950.9	1045.9	2060.9	812.8	24.1
FE92H	92" (16:9)	2232.0	2200.0	2137.8	2036.8	50	76	1999.9	1145.7	2109.9	762.0	26.3
FE100H	100" (16:9)	2420.0	2388.0	2314.9	2213.9	50	76	2175.5	1245.1	2285.5	838.2	27.5
FE85C	85" (2.35:1)	2190.5	2158.5	2087.5	1986.5	50	76	1801.1	845.2	1911.1	863.6	21.9
FE92C	92" (2.35:1)	2354.1	2322.1	2251.1	2150.1	50	76	1819.9	914.9	1929.9	812.8	23.5
FE96C	96" (2.35:1)	2447.6	2415.6	2344.6	2243.6	50	76	1859.6	954.6	1969.6	812.8	24.4
FE103C	103" (2.35:1)	2611.2	2579.2	2508.2	2407.2	50	76	1878.4	1024.2	1988.4	762.0	28.3

| Unit: Inch												
Model	Diagonal Size/Aspect Ratio	Case Length (A)	Top Panel Length (A1)	Screen Width (A2)	View Width (A3)	L/R Black Masking Border (A4)	Top Black Masking Border (B3)	Top Panel to Case (B1)	View Height (B2)	Screen Overall Height (B)	Bottom Black Border (B4)	N.W. (LBS)
FE72V	72" (4:3)	65.6	64.3	61.6	57.6	2.0	3.0	76.8	43.2	81.2	30.0	48.0
FE84V	84" (4:3)	75.2	73.9	71.2	67.2	2.0	3.0	79.0	50.4	83.4	25.0	51.9
FE92V	92" (4:3)	85.2	84.0	77.6	73.6	2.0	3.0	78.8	55.2	83.2	20.0	54.3
FE100V	100" (4:3)	88.8	87.5	84.0	80.0	2.0	3.0	87.6	60.0	92.0	24.0	61.2
FE72H	72" (16:9)	70.8	69.5	66.8	62.8	2.0	3.0	72.9	35.3	77.3	34.0	47.7
FE84H	84" (16:9)	81.3	80.0	77.2	73.2	2.0	3.0	76.8	41.2	81.1	32.0	53.0
FE92H	92" (16:9)	87.9	86.6	84.2	80.2	2.0	3.0	78.7	45.1	83.1	30.0	57.9
FE100H	100" (16:9)	95.3	94.0	91.2	87.2	2.0	3.0	85.6	49.0	90.0	33.0	60.5
FE85C	85" (2.35:1)	86.2	85.0	82.2	78.2	2.0	3.0	70.9	33.3	75.2	34.0	48.2
FE92C	92" (2.35:1)	92.7	91.4	88.6	84.6	2.0	3.0	71.6	36.0	76.0	32.0	51.7
FE96C	96" (2.35:1)	96.4	95.1	92.3	88.3	2.0	3.0	73.2	37.6	77.5	32.0	53.7
FE103C	103" (2.35:1)	102.8	101.5	98.8	94.8	2.0	3.0	74.0	40.3	78.3	30.0	62.3

*Measurement dimensions are intended as a reference only and subject to change without notice. Note：Data Error may be ±1"

Kestrel Tension Series Dimensions Table

Unit: mm Model	Diagonal Size/Aspect Ratio	Case Length (A)	Top panel Length (A1)	Screen Width (A2)	View Width (A3)	L/R Black Masking Border (A4)	Top black drop (B3)	Screen Material to Bottom Bar (B1)	View Height (B2)	Screen Overall Height (B)	Bottom black drop (B4)	N.W. (KGS)
FTE84V	84" (4:3)	2021.0	1989.0	1858.9	1706.9	76	76	2134.2	1280.2	2244.2	762.0	22.3
FTE92V	92" (4:3)	2174.0	2142.0	2021.4	1869.4	76	76	2103.7	1402.1	2213.7	609.6	23.9
FTE84H	84" (16:9)	2174.0	2142.0	2011.6	1859.6	76	76	1950.9	1046.1	2060.9	812.8	23.9
FTE92H	92" (16:9)	2352.0	2320.0	2188.8	2036.8	76	76	1999.7	1145.7	2109.7	762.0	25.9
FTE85C	85" (2.35:1)	2302.0	2270.0	2498.5	2346.5	76	76	1750.0	845.2	1860.0	812.8	23.0
FTE92C	92" (2.35:1)	2465.0	2433.0	2302.1	2150.1	76	76	1819.7	914.9	1929.7	812.8	24.7
FTE96C	96" (2.35:1)	2558.0	2526.0	2395.6	2243.6	76	76	1859.4	954.6	1969.4	812.8	25.6
FTE103C	103" (2.35:1)	2722.0	2690.0	2559.2	2407.2	76	76	1929.0	1024.2	2039.0	812.8	27.2

Unit: Inch Model	Diagonal Size/Aspect Ratio	Case Length (A)	Top panel Length (A1)	Screen Width (A2)	View Width (A3)	L/R Black Masking Border (A4)	Top black drop (B3)	Screen Material to Bottom Bar (B1)	View Height (B2)	Screen Overall Height (B)	Bottom black drop (B4)	N.W. (LBS)
FTE84V	84" (4:3)	79.6	78.3	73.2	67.2	3.0	3.0	84.0	50.4	88.4	30.0	49.1
FTE92V	92" (4:3)	85.6	84.3	79.6	73.6	3.0	3.0	82.8	55.2	87.2	24.0	52.6
FTE84H	84" (16:9)	85.6	84.3	79.2	73.2	3.0	3.0	76.8	41.2	81.1	32.0	52.6
FTE92H	92" (16:9)	92.6	91.3	86.2	80.2	3.0	3.0	78.7	45.1	83.1	30.0	57.0
FTE85C	85" (2.35:1)	90.6	89.4	98.4	92.4	3.0	3.0	68.9	33.3	73.2	32.0	50.6
FTE92C	92" (2.35:1)	97.0	95.8	90.6	84.6	3.0	3.0	71.6	36.0	76.0	32.0	54.2
FTE96C	96" (2.35:1)	100.7	99.4	94.3	88.3	3.0	3.0	73.2	37.6	77.5	32.0	56.3
FTE103C	103" (2.35:1)	107.2	105.9	100.8	94.8	3.0	3.0	75.9	40.3	80.3	32.0	59.9

*Measurement dimensions are intended as a reference only and subject to change without notice. Note：Data Error may be ±1"
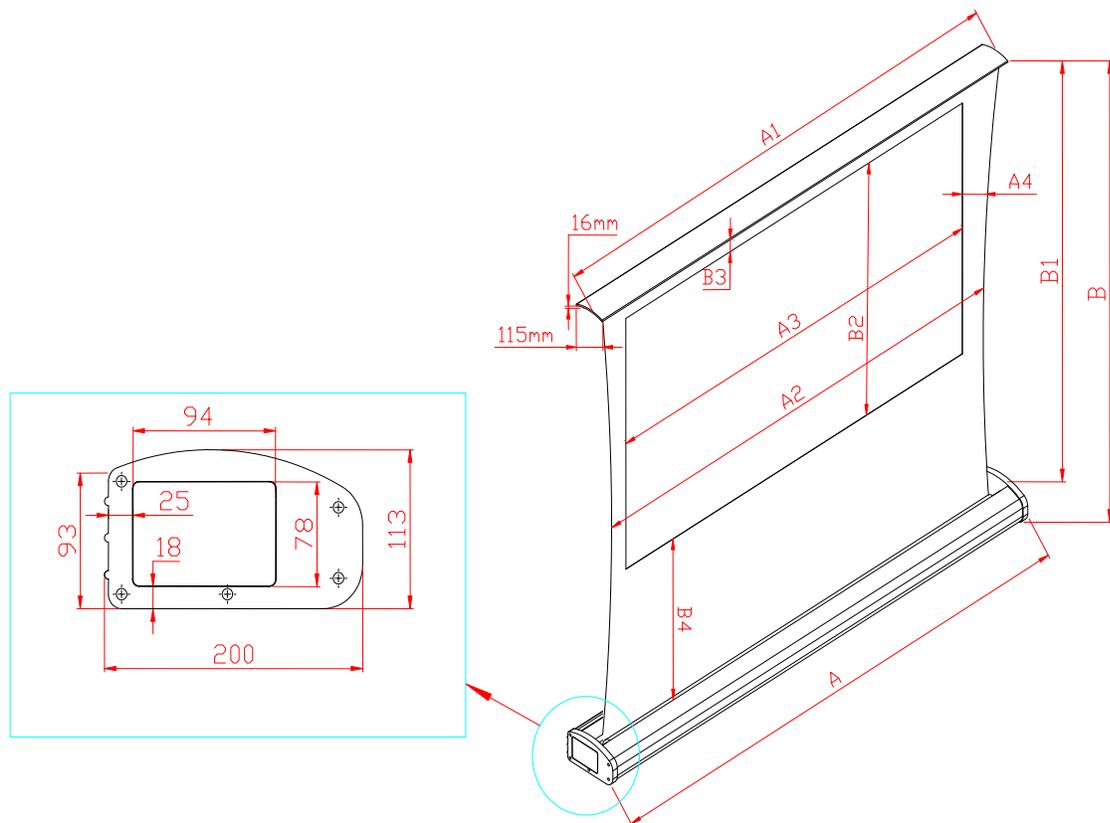
Warranty Policy

- **Two (2) year** parts and labor warranty from defects in workmanship from purchase date as follows

- Each party will be responsible for one way shipping during the warranty period. Elite Screens **is not** responsible for applicable International tariffs such as broker fees and custom duties.

- **A RMA (Return Merchandise Authorization) number** must be issued in order to process a replacement or to authorize a return for warranty repair. Elite Screens will, at its sole option, replace or repair the defective unit with a replacement *(see exceptions below) after the defective unit is received. Once the product is received, Elite Screens will send out a replacement *unit to the customer by ground service (subject to inventory availability). **Please do not return any unauthorized items to Elite Screen, as they will be refused and returned at your expense. The RMA number must be included on the outside label of your shipping box. Our warehouse is not authorized to accept returns without an RMA number on the shipping label. RMA numbers are valid for 45 days from the date of issue.**

- **Missing Parts** must be reported within 7-days of receipt. If reported after 7 days, customer will only be responsible for shipping and handling fees. If reported after 30 days of receipt, customer is responsible for cost of the parts and shipping & handling fees.

*A new or refurbished replacement will be sent out to the customer depending on the type of purchase (new or refurbished) or based on stock availability.

For Warranty and Service requests please fill out a RMA /Service Form at
http://www.elitescreens.com/warrantysupportform

Please Visit this link for full Warranty information:
http://www.elitescreens.com/warranty

Remember to register your Elite Screens product at:
 www.elitescreens.com/register

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